

## CD58 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CD58. Catalog # AT1442a

#### Specification

## CD58 Antibody (monoclonal) (M01) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW

WB, IHC, IF, E <u>P19256</u> <u>BC005930</u> Human mouse Monoclonal IgG2a kappa 28147

## CD58 Antibody (monoclonal) (M01) - Additional Information

Gene ID 965

**Other Names** Lymphocyte function-associated antigen 3, Ag3, Surface glycoprotein LFA-3, CD58, CD58, LFA3

**Target/Specificity** CD58 (AAH05930, 1 a.a. ~ 240 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution** WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A

**Format** Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions** CD58 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

#### CD58 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

Western Blot



- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

# CD58 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to CD58 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (52.14 KDa).

190 -95 -68 -51 -32.5 -24 -



CD58 monoclonal antibody (M01), clone 2D11-B10 Western Blot analysis of CD58 expression in Jurkat ( (Cat # AT1442a )



Immunoperoxidase of monoclonal antibody to CD58 on formalin-fixed paraffin-embedded human lymphoma tissue [antibody concentration 3 ug/ml]



Immunoperoxidase of monoclonal antibody to CD58 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 2 ug/ml]



Detection limit for recombinant GST tagged CD58 is approximately 0.3ng/ml as a capture antibody.

## CD58 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a ligand of the T lymphocyte CD2 protein, and functions in adhesion and activation of T lymphocytes. The protein is localized to the plasma membrane. Alternatively spliced transcript variants have been described.

#### CD58 Antibody (monoclonal) (M01) - References



Host genetic factors and vaccine-induced immunity to HBV infection: haplotype analysis. Ryckman KK, et al. PLoS One, 2010 Aug 18. PMID 20806065.Multiple sclerosis susceptibility-associated SNPs do not influence disease severity measures in a cohort of Australian MS patients. Jensen CJ, et al. PLoS One, 2010 Apr 2. PMID 20368992.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.Genetic variants at CD28, PRDM1 and CD2/CD58 are associated with rheumatoid arthritis risk. Raychaudhuri S, et al. Nat Genet, 2009 Dec. PMID 19898481.Integration of genetic risk factors into a clinical algorithm for multiple sclerosis susceptibility: a weighted genetic risk score. De Jager PL, et al. Lancet Neurol, 2009 Dec. PMID 19879194.